

Kindly replace the Paragraph Beginning at Page 3, Line 32 with the following:

A2
--According to the invention, it has now been found that the Lys-Leu-Val-Phe-Phe (KLVFF) sequence [SEQ ID NO.: 1] in A β is necessary for polymerization to occur. Peptides incorporating this sequence bind to A β and are capable of blocking the fibril formation of A β -1-40 and are therefore potentially useful as drugs.--

Kindly replace the Paragraph Beginning at Page 9, Line 18 with the following:

A3
--Fig. 2B. [SEQ ID NOS.: 1, 2 and 5-38] EVHHQKLVFF and N and C-terminal truncated fragments were synthesized and analyzed for affinity to ^{125}I -labeled A β -1-40.--

Kindly replace the Paragraph Beginning at Page 9, Line 21 with the following:

A4
--Fig. 2C. [SEQ ID NOS.: 39-43] Each amino acid residue in KLVFF was systematically replaced with Ala and analyzed for affinity to ^{125}I -labeled A β -1-40.--

Kindly replace the Paragraph Beginning at Page 9, Line 24 with the following:

A5
--Fig. 2D. [SEQ ID NO.: 44] Sensorgram from surface plasmon resonance spectroscopy (BIAcore 2000).--

Kindly replace the Paragraph Beginning at Page 12, Line 5 with the following:

A6
--To investigate if the KLXXF [SEQ ID NO.: 3] motif was required for A β polymerization, we synthesized A β -1-28, a well-studied A β fragment that readily forms amyloid fibrils (D.A. Kirschner, *et al.*, *Proc. Natl. Acad. Sci. USA* 84, 6953-6957 (1987); C.J. Barrow, M.G. Zagorski, *Science* 253, 179-82 (1997); C. Nordstedt, *et al.*, *J. Biol. Chem.* 269, 30773-30776 (1994))) and mutated A β -1-28 where the KLVFF sequence was substituted with AAVFA [SEQ ID NO. 4] (A β -1-28 AAVFA).--

IN THE CLAIMS:

Kindly add new claims 27-37 as follows: